

US EPA RECORDS CENTER REGION 5



465782

ACS Oversight Report 1

Dec. 2000 - Jan. 2001



BLACK & VEATCH
SPECIAL PROJECTS CORP.

101 North Wacker Drive, Suite 1100, Chicago, Illinois 60606, (312) 346-3775

U.S.EPA
American Chemical Service Inc.

BVSPC Project 46518
BVSPC File C.3
April 5, 2001

Mr. Kevin Adler
Remedial Project Manager
U.S. Environmental Protection Agency
Region V, SR-J6
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: Monthly Oversight Summary Report
No. 1

Dear Mr. Adler:

Enclosed is a copy of the monthly field oversight report for American Chemical Services Superfund site in Griffith, Indiana. Please call me at 312/683-7856 if you have any questions.

Sincerely,

BLACK & VEATCH SPECIAL PROJECTS CORP.

Larry M. Campbell, P.E.
Site Manager

Enclosures

Monthly Oversight Summary Report No. 1
ACS Superfund Site WA30, 46518.238

Reporting Period: Months of December & January

BVSPC O/S Dates: December 7,14,21,and 28,2000. January 9, 18, and 25, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson, Warrenville, IL	2	Respondent's General Contractor
Black & Veatch Special Projects Corp, (BVSPC)	1	USEPA Oversight Contractor
Contract Dewatering Services	6	Extraction Trench & Well Installation
Austgen	2	Groundwater Treatment Plant Upgrade

Construction Activities

Major Activities:

- Extraction trench installation (Contract Dewatering Services).
- Separation barrier wall installation (Contract Dewatering Services).
- Construction coordination meeting. (12/28/00, 01/18 and 25, 2001).

Activities Performed:

Montgomery Watson is responsible for building construction management as contracted by the PRP group. BVSPC's one-man crew conducted oversight of the major field activities on a schedule. The oversight was conducted only 1 day per week because of the lack of activities resulting from Contract Dewatering's mechanical problems and technical contractual issues. Contract Dewatering Services started installation of extraction trench EW20 in the offsite area during the week of December 22, 2000. Because of mechanical problems, the trencher was taken off site for repairs and a second trenching machine was brought on site for installing the separation barrier wall between the onsite and offsite areas. The separation barrier wall was started on January 9, 2001. Completion of the separation barrier wall will tentatively be completed in February along with the re-start of extraction well EW20. Attached are weekly report and correspondences, log book notes, and photographs of the daily activities.

Topics Of Concern:

- Health & Safety monitoring during trenching and excavation activities
- Compromising the existing barrier wall (location of the barrier wall is not exact).

Other Activities:

- Final installation of the first Catalytic Oxidizer/Scrubber unit to the groundwater treatment plant.

Upcoming Activities:

- Contract Dewatering Services will complete installation of the separation barrier wall and start installation of extraction trench EW20.
- Koester Environmental Service will mobilize to the site to install the conveyance piping upgrade.
- Drum demarcation in the onsite area.

Galley, Chad T.

From: Campbell, Larry M.
Sent: Sunday, January 07, 2001 7:40 PM
To: Gailey, Chad T.
Subject: RE: ACS, MW request and oversight update

Chad

Since me earlier email, I've modified the section about field oversight slightly. Here is the changed version:

- Remedial Action Oversight (Phase 238).
 - Provided oversight of Montgomery Watson's activities on four days during the reporting period (December 7, 14, 21, and 28). Additional oversight was not provided because of the lack of construction activities occurring.
 - Observed the final punch list for the groundwater treatment expansion and mobilization/setup of Contract Dewatering Inc. (CDI) equipment. CDI has been retained to install the Offsite Barrier Wall Extraction System Trenches and the Separation Barrier Wall. CDI began installation of the Extraction System Trench at EW20, but encountered significant mechanical problems with their equipment, delaying resumption of trench installation to the beginning of the next reporting period.
 - BVSPC oversight inspector attended construction meetings at the site on

December 7, 14, and 28. BVSPC site manager attended the construction meetings on December 14 and 28. The latter meeting was also attended by Kevin Adler (EPA) and Sean Grady (IDEM) and served as a kickoff meeting for the construction activities regarding construction of the Offsite Barrier Wall Extraction System Trenches and the Separation Barrier Wall and the removal of drums from the ACS site.

Larry

-----Original Message-----

From: Gailey, Chad T.
Sent: Thursday, January 04, 2001 7:13 PM
To: Campbell, Larry M.
Subject: ACS, MW request and oversight update

Oversight was performed on three seperate days (12/07/00, 12/14/00, and 12/21/00) which correspond to onsite meeting. Observed was the final punch list for the Groundwater Treatment expansion and mobilization/setup of Contract De-watering. Contract De-watering is task with the resposability of instalation of the extraction trenches, well and seperation wall. Contract De-watering was able to setup and attempt putting in the first trench at EW20. Do to mechanical problems it has sent them back to Monday 01/08/01. Monday the Groundwater Treatment thermal adsorber will be brought on line and Contract De-watering will attempt to complete EW20 trench.

Chad Gailey
Black & Veatch

-----Original Message-----

Remedial Action Oversight (phase 238) for January 2001.

- Provided oversight of Montgomery Watson's activities on four separate days during the reporting period (January 9, 18, and 25). Additional oversight was not provided because of the lack of construction activities occurring.
- January 9, 2001: Observed the functional checks and start of the CAD Oxidizer for the Ground Water Treatment Building Upgrade. In addition to the final upgrade and control checks, Contract Dewatering was on site performing initial setup for the separation barrier wall. Contract Dewatering excavated five test pits along the alignment to determine any health and safety concern during open excavation. Upon completion of the five test pits, a 4-foot-wide by 2-foot-deep trench was excavated along the alignment for placing the bentonite mixture. Contract Dewatering placed a bentonite mixture of approximately 4.0% by weight in the trench to obtain the desired permeability of 1.0×10^{-7} cm/sec.
- January 18, 2001: Observed Contracted Dewatering's attempt at starting the separation barrier wall. The hold up is the receipt from the lab of testing result of the bentonite mixture. The result were due the previous day and suppose to show up by 12:00 o'clock today(01/18/01); however, the results did not show up and I was told there would be no further work today.
- January 25, 2001: Observed Contract Dewatering pulling a slurry sample at station number 90 along the separation barrier wall alignment and back filling from station 0 to 90. The installation of the separation barrier wall was stopped because the previous day's activities produced VOC air concentration exceeding 50 ppm. Contract Dewatering was not ready to don appropriate PPE. This raised several issues. Some of the issues are how are they determining the exclusion zone and how will the exclusion zone be monitored. Upon completion of the day's activities, Contract Dewatering set up an exclusion zone using orange barrier fence and yellow caution tape. Contract Dewatering was still unclear on how to determine the extent of the exclusion zone by the end of the day.
- January 9, 18, and 25: BVSPC site manager attended the construction meetings on site. Because of lack of activity, the meetings were held informally in the field with Todd Lewis project manager for Montgomery Watson.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #1

Date: 12-21-00 Time: 12:51

Photographer: Chad Gailey

Description: Photo facing southwest at the
offsite lay down area of Contract
Dewatering setting up their
trencher.

2112 Pk 1

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #:2

Date: 01-09-01 Time: 08:36

Photographer: Chad Gailey

Description: Photo facing west at the offsite
area of Contract Dewatering
unloading bentonite.

2112 Pk 1

2112 Pk 1

2112 Pk 1



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 3

Date: 01-09-01 Time: 13:54

Photographer: Chad Gailey

Description: Photo facing north in the offsite area of Contract Dewatering excavating a test pit along the separation barrier wall.

Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 4

Date: 01-25-01 Time: 11:36

Photographer: Chad Gailey

Description: Photo facing west at station 165 in the offsite area of Contract Dewatering installing the separation barrier wall.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 5

Date: 01-25-01 Time: 1:49

Photographer: Chad Gailey

Description: Photo facing northwest at separation barrier wall station 90 of Travis Klingford pulling a soil sample for physical analysis.



Site: American Chemical Services, Inc.

Proj. #: 46518

Roll: 1 Photo #: 6

Date: 01-25-01 Time: 13:33

Photographer: Chad Gailey

Description: Photo facing northeast at east end of separation wall of extraction piping reconnection.

- (12) Chas (C) Salyer 12/21/00
 8:50 Arrived on Site (Weather Trip)
 16°F, with Blowing Snow, Temp
 ARE Dropping.
 Present: Mr. Hansen Eng.
 They are CURRENTLY performing
 Fit Tests.
 10:18 Mr. Health Safety (Lee Cross) Received
 Copies of the following People
SUSAN IT BERTMAN HANSEN Eng Inc
 She is there on site Safety Rep.
DAN AUTREX, Contract Dewatering
William GYZEWSKI Contract Dewatering
Robert W. Cechy Contract Dewatering
Richard NEWMANN
 10:42 Contract Dewatering is Setting up
 the Trencher.
 During Set up, No HARD HAT ARE
 BEING WORN.
 No Air Sampling is taking place,
 No Intrusive work being done.
 W/F ARE ON SITE in the OFF site
 Containment AREA.
 11:44 Called Rob Adams w/ health &
 SAFETY CONCERNS. 1) Check in to
^{CHAS} SUSAN Bertman essentials

- (13) Chas (C) Salyer 12/21/00
 To be health & SAFETY COORDINATOR,
 Reason, SUSAN HAZWOPER TRAINING
 WAS ONLY ONE MONTH AGO —
 Also, NOTED to Rob I SKP ON
 Site NO ONE IS WEARING
 HARD HATS, OR WAS TIED OFF
~~DOWN~~ while WORKING OFF
 From ca. 15-20 ft step LADDER.
 Last issue WAS Slingshot hitting
 head across trenching, warning
 allowing it to Arc and out
 the Exposure site.
 12:51 Picture 1, Role 1, Facing South
 East @ the off-site Lady Power
 AREA, of Contract Dewatering
 Setting up the Trencher.
 SAFETY ISSUES, No hard
 hats USING AN UNAPPROVED
 plaid heavy coat...
 SEE Picture.
 13:04 Called Kevin Heller.
 15:30 Left Site Kevin met w/ Pete Jorg
 @ m.w. office, because weather.

Chas (C) Salyer

⑭

Chas R. Sailey 12/28/00

6:30 ARRIVED ON Site, @ ACS, WEATHER

Temp 0°F. Cloudy Light WIND

Activities for TODAY ARE AS follows:

- 1) TRENCHING For Extraction trenches @ EW 19,
- 2) 10:00 meeting w/ Kevin Adler, Shawn Grady, Pete Velt, Todd Lewis,
- 3) WATER TREATMENT Plant is preping to bring the expansion on line. Note last week MW had a pipe break, because the heat trace failed. it is currently being fixed.

7:00 CONTRACT DE-WATERING is now starting Equipment pre for DAYS activities.

7:22 TALK TO SUSAN BERTRUM from HANSON Eng. She is the Site Safety Coordinator for Contract De-watering. SUSAN said CONTRACT - De-watering broke down YESTERDAY, 6 ft into ground and could not extract the trencher.

8:08 TRENCHER Inter Down 6050 ft. Mr. Newman thinks they need a hydraulic pump.

⑮

Chas R. Sailey 12/28/00

8:15 SHAR SUSAN is making the first Sweep of Health & SAFETY monitoring. Yes, TODAY EVERYONE IS WEAR HARD HATS.

9:40 Left off site Area, Return to Water treatment Bldg for meeting. Pages follow ⑮ + ⑯ ARE MEETING Notes

12:50 FINISHED MEETING, Return to off site AREA w/ LARRY Campbell. FIND OUT STATUS OF TRENCH BACK Down.

Talk w/ operator RICHARD, has left with hydraulic pump and will Return TOMORROW MORNING. IN hope of Trench EARD.

13:00 LEAVING for Day.

~~Chas R. Sailey~~
10/28/00

(16) Construction Meeting 12/28/00

10:00 PRESENT:

Kevin Adler EPA
 Shawn Grady IDEM
 Rob Adams MW
 Pete Vap MW
 Todd Lewis MW
 Chad Gailey BV
 Larry Campbell BV

	Under treatment	Extraction	BARRIER
	Phat	TRENCH	WALL
Done	mechanical	Design work for mobilization	Design for 12/29
		Setup ES20	

In Progress	Debaggng	Trench ES20	MW Review
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Feb 1 Start
 mid Jan
 Finish mid Feb

Future	Crit CX	Trench ES20	
	Start up next	Trench ES19	Export 5%
	Quicks	Feb 1 Start	Cap and Eval
		UNDER CONSTRUCTION	

(17) 12/28/00

Drum Removal
 RFB Draft w/loop

Jan 8 Start EPA
 IDEM Review

RFD to Builders

Perimeter Demolition January mid

Builder Site work

Construct Pool 1 Pool w/ up to 3 PMS.
 Drum Removal MARCH

Waste Characterization

Drum / WASTE

Incineration Disposal

11:00 Take Bld + Site Tour.

NOTE No Pictures Taken Today.

Next meet 1 week from today

SAME TIME

13:00 Left site w/ Larry Campbell.

12/28/00

⑮

Chad Salsg 01/09/01

7:00

ARRIVED ON SITE, @ WATER TREATMENT Bld
B 301 IN. WEATHER TEMP 19°F, CLEAR
Light Southerly Breeze,
Activities to DAY.

- 1) OXIDIZER Put ON LINE
- 2) PUTTING IN TRENCHERS AN EXTRACTION
TRENCH, WORK BY CONTRACT DE-WATERING
TALK TO TODD LEWIS, FROM MW. ON
SCHEDULED ACTIVITIES.

7:23

- 1) Trenching as COME to halt over
EQUIPMENT PROBLEMS.
- 2) CONTRACT DE-WATERING PLANS
ON EXCAVATING 2X2 FT TRENCH
ALONG THE BARBER WHILL ALIGNMENT
AND FILLING W/ Bentonite for Mixing
PURPOSES.
- 3) THE WATER TREATMENT Bld IS
NOW IN CIRCULATION, TODD
LEWIS, IS GOING TO PERFORM
FUNCTIONAL CHECKS, AND SYSTEM
CONTROL CHECKS. PLUS ~~AS~~
THE OXIDIZER WILL BE BROUGHT
ON LINE.

⑯

Chad Salsg 01/09/01

8:36

Contract De-watering IS. UNLOADING
Bentonite.
TALK W/ Travis + Joe Sam MW. ON
SITE. ENGINEER FROM MW.

8:52

Picture #2 Role 1 facing west
@ OFF SITE area of Contract
DE-WATERING W/ HOND BENTONITE.
11:11 De-watering IS. CURRENTLY REMOVING
SNOW.

← ALONG THE SEPERATION WALL.
Rich Flores Sam Mustang IS
WORKING ON THE OXIDIZER.
11:18, Joe, Travis ARE HERE OUT TO SAMPLE
THE BIO TANK & ORP, AND OIT. AS
PART OF THE INITIAL CHECKS.
SAMPLING FOR WATER TREATMENT
BUILDING WILL START 01/10/01
RIGHT NOW THE SYSTEM IS RUNNING
IN LOOP.

11:40

Pick up lunch Return to site to
EAT.

12:13

Contract DE-WATER, Salsg IS OFF SITE
@ WATER TREATMENT PLANT.

(20)

Chad Sailer 01/09/01

12:42 Contract DE WATERING IS Laying out the Excavation Site for the Barrier Wall (Separation Wall)

12:55 BOKE Ground (C. EAST END of the Separation wall, 12 test pits

13:51 Mr. H. J. D. 1. Ferry in (C. Test Pit for Barrier wall Alignment, Survey taking, for Rebaring and concrete pour

14:12 WATCHING the Contract Setup the Oxidizers, Two phase Thermal unit with both inflow/outflow/Temp Reading capabilities.

14:22 Excavated Five Test pits Along the Alignment, Now are excavated in small Lift 6"-1 ft to locate the existing wall.

14:31 STARTING to excavate the 2nd X-251 trench

15:30 Oxidizers work Although there is some electrical issue, LEAVING site for evening

01/10/01

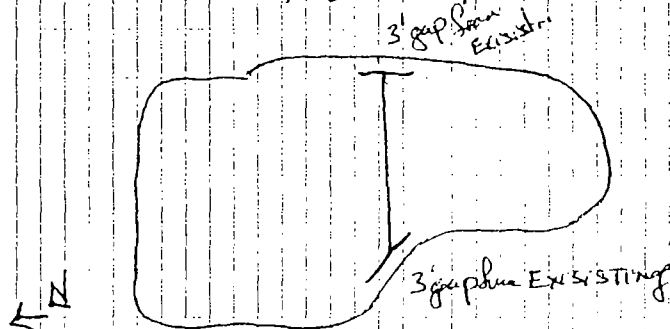
(21)

Chad Sailer 01/18/01

7:30 ARRIVED ON SITE @ ACS, WEATHER TEMPERATURE 19°F, Light wind from Southeast, Clearcast.

ON site today is Contract Dewatering. Activity Scheduled for Today is the initial trenching of the Separation wall, Last week Contract DEWATERING EXCAVATED Along the Alignment AND Placed Bentonite mixture in place.

7:47 Crew preping for Day.



WATER Treatment Bed

8:41 Todd, Instructor to Dewatering is to put in the first short perpendicular there start the Separation wall.

(20)

Charles Salty 01/18/01

- @ present Time Contract Dewatering has to complete assembling the Trencher, -
- 9:49 TODD Lewis & LEE OROBE came over from WTB. Todd is talking with John from Contract Dewatering to make sure the separation wall will have 2ft key in to existing clay. To make sure this is performed there was a Prob Profile done on chimney week of 11/28/2000 -
- 10:05 Drove by the WATER Treatment Bld to see if Kevin Adler or Shaun Gray was going to show for the construction meet. No show. -
- Talk to Todd said to expect the initial trenching later to or tomorrow. Contract has been issued for pipe trenching should start up in the next couple of weeks. -
- 11:30 Drove over to the off site AREA. they are still setting up. -
- 13:01 Contract Dewatering is still working on the TRENCHER. //

(25)

Charles Salty 01/18/01

- 13:48 SUSAN, said they are waiting on the Slump # and the unit to pull a mid Depth elevated sample from the trench. I don't think they will be getting here. -
- 15:05 Result didn't show, Contract Dewatering still working on Trencher. -
- 15:30 Leaving for Day to Return to office. -

~~Charles Salty
01/18/01~~

(24)

Chris S. S. 4/25/2001

7:00 ARRIVED ON SITE @ ACS, Weather
15°F w/ EAT WINDCHILL, Onto and west wind.
WGN,

PRESENT for Today's Activities will be
Contract DEWATERING & Molybdenum Nelson.
Activities will be the trenching of
Separation Barrier Wall.

- * AFTER TALKING w/ LEE OROSE
M.W.'S Health & SAFETY SITE COORDINATOR
He informed me they Detected
concentrations of 50ppm w/ MARI BINA
UPON Detection activities STOPPED
(Approximately 4:00) The SAFETY Coordinator
LEE OROSE AND Travis (mw) Pulled
DANGER Tubes to ENSURE it was
NOT BENZENE. M.W. HAD NO
Detection OF BENZENE, Contract
De-watering ARE GOING to Set
up AN EXCLUSION ZONE TODAY
AND GO TO LEVEL C BREATHING
apparatus w/ CONSTANT Monitoring.

- * NOTE: Geophysical Testing being
Performed by NTH

Chris S. S.

(25)

Chris S. S. 4/25/2001

7:42 TODD LEWIS & LEE OROSE WERE

HAVING A DISCUSSION ON the Next Step
on proceeding w/ the Separation wall under
the Conditions that were established
Yesterday of 50ppm hit.

- 8:05 The meeting w/ Contract DEWATERING
Broke up with the result in
Questions, Contract DEWATERING
Needs full face air respirators
AND the decision w/ the Industrial
hygiene is that is the tip
3 Health Hazard posted for them
to see if we CAN USE REMARKS -
- 9:13 Contract DEWATERING is going to
Get Supplies to Set up exclusion
ZONES.

Contract DEWATERING is also setting
up to take a Soil Slurry Sample.

- 10:47 Contract DEWATERING taking
Soil Sample.
SA 1100 90' Location.
Total Long 6800
Slurry 1500

Chris S. S.

